

ABSTRACT

The imaging means comprises an IR lamp to radiate an infrared light forward, a CCD camera to image forward and convert to electrical signals and an image processing unit to change the signal storage time duration of the CCD camera at a predetermined period and sequentially and periodically output images with the different light exposure. The image processing unit extends the images with the different light exposure in the longitudinal direction and averages the signal level of both images after extending to form a composite image.